| Index of Claims  | Application No.    | Applicant(s) PIERALLI, MORENO |  |  |  |  |  |  |
|--|--------------------|-------------------------------|--|--|--|--|--|--|
| 1 (88) 8 (80) 8 (80) 8 (80) 8 (80) (80) 8 (80) 8 (80) (80) | 10/647,413         |                               |  |  |  |  |  |  |
|  | Examiner           | Art Unit                      |  |  |  |  |  |  |
|  | Brent A Swarthout  | 2636                          |  |  |  |  |  |  |
| √ Rejected — (Through numer Cancelled                      | nal) Non-Elected A | Appeal                        |  |  |  |  |  |  |

|        | =        | 1              | Allov               | wed                |                    |              | _         | -            | Restricted |       |          |  |  |            |           |          | Ŀ        | Interference |                    |          |    |          | 0          | Objected        |          |          |          |              |               |                                     |          |          |
|--------|----------|----------------|---------------------|--------------------|--------------------|--------------|-----------|--------------|------------|-------|----------|--|--|------------|-----------|----------|----------|--------------|--------------------|----------|----|----------|------------|-----------------|----------|----------|----------|--------------|---------------|-------------------------------------|----------|----------|
| Claim  |          |                |                     | D.                 | Date               |              |           | ו ר          | Claim D    |       |          |  |  |            | Date      |          |          |              |                    | ſ        | CI | aim      | Γ-         |                 |          |          |          |              |               |                                     |          |          |
|        | 19       | <del>.</del> T | ТТ                  | Ť                  | T                  | $\neg r$     | Т         | T            | 1          |       |          |  | <del>                                     </del> |            |           |          | Ť        |              |                    |          |    | <u> </u> | $\vdash$   | -               |          | _        | Dat<br>I | <u> </u>     | $\overline{}$ | _                                   | Т        |          |
| Final  | 12-79-04 |                |                     |                    |                    |              |           |              |            | Final | Original |  |  |            |           |          |          |              |                    |          |    | Final    | Original   |                 |          |          |          |              |               |                                     |          |          |
| 1      | 7        |                |                     | 1                  | 7                  | 1            | $\top$    | +            | 1 1        |       | 51       |  | ┢  | _          | Г         |          |          | _            |                    | П        | İ  |          | 101        |                 | $\dashv$ |          | -        | Г            | T             | Т                                   |          | 一        |
| 2      |          |                |                     |                    | $oldsymbol{\perp}$ |              |           |              | ] [        |       | 52       |  |  |            |           |          |          |              |                    |          |    |          | 102        |                 |          |          |          |              | Ŀ             |                                     |          |          |
| 3      |          | 1              | $\sqcup$            | 4                  | _                  | $\perp$      | $\perp$   | 1            |            |       | 53       | L  | _  | L          | _         |          |          |              | 匚                  | Ш        |    |          | 103        |                 |          |          |          |              |               |                                     |          |          |
| 4      | -   ✓    | ↓_             |                     | 4                  | 4                  | $\bot$       | 4         | $\bot$       | ↓ ↓        |       | 54       | ┞  | _  | 匚          | L_        | _        | Щ        |              | <u> </u>           | Ш        |    |          | 104        |                 | _        |          | _        | <u> </u>     | L             | L                                   | <u> </u> | ╙        |
| 5      | ₩        | 1              | $\vdash$            | +                  | +                  | +            | 4         | +            | ┨          |       | 55       | ┞  | -  | <u> </u> - | _         | _        |          | _            | <u> </u>           | Н        | }  |          | 105        |                 | _        |          |          | <u> </u>     | <u> </u>      | ▙                                   | ┞-       | <b></b>  |
| 6<br>7 | ╫        | ╁              | ╁┼                  | +                  | ╁                  | +            | +         | ╁            | ┨╏         |       | 56<br>57 | ┝  | ⊢  | ⊢          | _         |          | -        | _            | ⊢                  | Н        | -  |          | 106<br>107 | $\vdash$        | -        |          | H        | $\vdash$     | ⊢             | ├                                   | H        | ₩        |
| 8      | ╫        | ╁┈             | $\vdash$            | +                  | ╁                  | +            |           | ╁            | 1          |       | .58      | $\vdash$   | -  |            |           | -        |          | _            | ├                  | Н        | 1  |          | 108        | $\vdash$        | $\dashv$ | _        | ├        | ├            | -             | ├                                   | ⊢        | ⊢        |
| 9      | ╫        | ╁              | 1 1                 | ╅                  | +                  | +            | +         | ╈            | 1          |       | 59       | $\vdash$   | -  | ╁          | _         | H        | $\vdash$ |              | $\vdash$           | H        | ł  |          | 109        | $\vdash$        | $\dashv$ |          | -        | $\vdash$     | $\vdash$      | $\vdash$                            | -        | ┢        |
| 10     | 1        | T              | $\Box$              | $\top$             | $\top$             | 十            | $\dagger$ | 十            | 1 1        |       | 60       |  |  | ┪          |           |          |          |              |                    |          | ı  |          | 110        | H               | $\dashv$ |          |          | $\vdash$     | T.            |                                     | Н        | H        |
| 11     |          |                |                     |                    |                    |              |           | T            | 1 1        |       | 61       |  |  |            |           |          |          |              |                    |          | ı  |          | 111        | $\Box$          |          |          | $\vdash$ | Г            |               |                                     | 1        | T        |
| 12     |          |                |                     |                    | $\perp$            |              |           |              | ] [        |       | 62       |  |  |            |           |          |          |              |                    |          | Ī  |          | 112        |                 |          |          |          |              |               |                                     |          |          |
| 13     |          | <u>'</u>       | $\perp$             | _                  | 1                  |              | _         |              | Ţ          |       | 63       |  |  |            |           |          |          |              | $oxedsymbol{oxed}$ | Ш        |    |          | 113        |                 |          |          |          |              |               |                                     |          |          |
| 14     |          | 1              | $\sqcup \downarrow$ | 4                  | ┵                  | $\perp$      | ┸         | 1            | ↓          |       | 64       | L  | <u>_</u>   | L          | _         |          |          |              | <u> </u>           | Ш        |    |          | 114        |                 | _        | _        |          |              |               |                                     | L        |          |
| 15     |          | ╄              | <del> </del>        | _                  | 4                  | - -          | - -       | +            | 4          |       | 65       | L  |  |            |           |          |          |              | <u> </u>           | Ш        | ļ  |          | 115        |                 |          | _        |          | _            | ļ             | L                                   | L        | <u> </u> |
| 16     |          | ╀              | ₩                   | +                  | +                  | - -          | +         | +-           | ┤╎         |       | 66       | -  | _  | <u> </u>   | _         |          |          |              | <u> </u>           | Н        | -  |          | 116        | -               | $\dashv$ |          | _        | <u> </u>     | <u> </u>      | _                                   |          | <u> </u> |
| 17     |          | ╁              | $\vdash$            | +                  | +                  | +            |           | ╁            | -          |       | 67<br>68 | $\vdash$   | -  | ├          |           | Н        |          |              | <u> </u>           | Н        | ŀ  |          | 117<br>118 |                 | -        |          | _        | -            | -             | -                                   | _        | ⊢        |
| 19     |          | ╁              | $\vdash$            | +                  | ╅                  | +            | ┿         | ╫            | ┨          |       | 69       | $\vdash$   | -  |            | _         | Н        |          |              | ⊢                  | Н        | ŀ  |          | 119        | H               | $\dashv$ | _        | _        | ⊢            | -             | $\vdash$                            | -        | ⊢        |
| 20     |          | $\vdash$       | $\vdash$            | +                  | 十                  | +            | +         | +            | 1          |       | 70       | ⊢  | $\vdash$   | $\vdash$   | _         | H        | $\vdash$ |              | -                  | H        | ŀ  |          | 120        | $\vdash$        | $\dashv$ |          |          | -            | $\vdash$      | H                                   | -        | ┢        |
| 21     |          | $\dagger$      | $\vdash$            | $\top$             | $\top$             | $^{\dagger}$ | ╅         | +            | 1 1        |       | 71       | $\vdash$   | -  |            |           | H        |          |              | $\vdash$           | Н        | ŀ  |          | 121        |                 | ᅥ        | _        |          | <del> </del> | -             | H                                   | -        | ┢        |
| 22     |          | $\top$         | $\vdash$            | 1                  | 十                  | $\top$       | $\top$    | 1            | 1 1        |       | 72       | T  |  |            | _         | П        | -        |              | _                  | Н        | ı  |          | 122        | H               | ᅥ        |          |          |              |               |                                     |          | $\vdash$ |
| 23     | Ш        |                |                     | $\neg$             | 1                  | $\top$       |           | T            | 1          |       | 73       | T  |  |            |           |          |          |              |                    | П        | ı  |          | 123        | H               | $\dashv$ |          |          | $\vdash$     |               | $\Box$                              |          | _        |
| 24     |          |                |                     |                    |                    |              |           |              | ] [        |       | 74       |  |  |            |           |          |          |              |                    |          | -[ |          | 124        |                 | 目        |          |          |              |               | П                                   |          |          |
| 25     |          |                |                     |                    |                    |              |           |              | ] [        |       | 75       |  |  |            |           |          |          |              |                    |          |    |          | 125        |                 |          |          |          |              |               |                                     |          |          |
| 26     |          | 4_             | Ш                   | _                  | $\perp$            |              | _         | $\perp$      | ]          |       | 76       |  | <u> </u>   |            |           | Ш        | Ш        |              |                    | Ш        |    |          | 126        |                 |          |          |          |              |               |                                     |          |          |
| 27     |          | —              | $\vdash$            | 4                  | 4                  | 4            |           | —            | 4          |       | 77       | L_   | _  | L          |           | Ш        |          |              | _                  | Ш        | Ļ  |          | 127        | Ш               | 4        | _        | _        | _            | _             | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | ┖        |
| 28     | 1        | +-             | ╁                   |                    | +                  | +            | -         | +-           | ┨          |       | 78       | <u> </u>   | ļ  | _          |           | Ш        | -        |              | _                  | $\vdash$ | ŀ  |          | 128        | $\vdash \vdash$ | 4        | _        |          |              |               | <u> </u>                            |          | ╙        |
| 30     |          | ╁              | -                   | -                  | ╁                  | +-           | +         | +-           | ┨          |       | 79<br>80 | <del>                                     </del> | _  | <u> </u>   |           | Н        | Н        |              | _                  | Н        | ŀ  |          | 129        | $\vdash$        | -        | _        | _        |              | _             |                                     |          | ├        |
| 31     |          | ╁              | ╁╌┼                 |                    | ┿                  | +            | ╁         | +            | 1          |       | 81       | Η.   | -  | H          | _         | Н        |          |              |                    | Н        | ╁  |          | 130<br>131 | $\vdash$        | -        | -        |          | <u> </u>     | -             | $\vdash$                            |          | ├        |
| 32     |          | H              | $\vdash$            | $\dashv$           | ╁                  | ╁            | ╁         | ╁            | 1 1        |       | 82       |  | -  |            |           | Н        | Н        | $\vdash$     | -                  | Н        | +  |          | 132        | $\vdash$        | +        |          |          | _            |               | $\vdash$                            | _        | ┢        |
| 33     |          | ✝              | <u> </u>            | +                  | +                  | +            | +         | +            | 1          |       | 83       | $\vdash$   | <u> </u>   |            |           | H        | Н        |              | Н                  | H        | I  |          | 133        | $\vdash \vdash$ | $\dashv$ | -        |          | -            |               | H                                   |          | $\vdash$ |
| 34     |          | T              | 11                  | 十                  | $\top$             | $\top$       | ╅         | $\dagger$    | 1 1        |       | 84       |  |  |            |           |          |          | _            |                    | Н        | 十  |          | 134        | $\vdash$        | ┪        | $\neg$   | _        | $\vdash$     |               |                                     |          | H        |
| 35     |          |                |                     |                    |                    | Ť            | T         |              | 1 1        |       | 85       |  | Г  |            |           | П        |          |              |                    | П        | ı  |          | 135        | H               | T        |          |          | $\vdash$     | _             | П                                   |          | T        |
| 36     |          |                |                     |                    | $\perp$            |              |           |              | ] [        |       | 86       |  |  |            |           |          |          |              |                    |          |    |          | 136        |                 | Ī        |          |          |              |               |                                     |          | Г        |
| 37     |          | L              |                     |                    |                    |              |           |              | ] [        |       | 87       |  |  |            |           |          |          |              |                    |          |    |          | 137        |                 |          |          |          |              |               |                                     |          |          |
| 38     |          | <u> </u>       | $\sqcup$            | $\perp$            | $\perp$            | 1            | $\perp$   | 1            | 1          |       | 88       |  |  |            |           |          |          |              |                    |          |    |          | 138        |                 |          |          |          |              |               |                                     |          |          |
| 39     |          | <u> </u>       | $\vdash$            | $\dashv$           | $\bot$             | $\bot$       | $\perp$   | +-           | 1          |       | 89       | _  | _  |            |           |          |          | _            |                    |          | Ļ  |          | 139        |                 | 4        |          |          | L_           | L_            |                                     |          |          |
| 40     |          | ⊢              | $\vdash$            | -                  | +                  | +            | +         | $\bot$       | 1 }        |       | 90       | <b> </b>   | _  | _          | -         | Н        | $\dashv$ | _            |                    | Н        | -  |          | 140        | -               | 4        | _        |          |              | <u> </u>      | Ш                                   |          | Ь—       |
| 41     | +        | ┢              | $\vdash$            | +                  | +                  | +            | +         | +            | ┥ }        |       | 91<br>92 | H  | -  | _          |           | -        | $\dashv$ | $\dashv$     |                    | $\vdash$ | -  |          | 141        | $\vdash$        | $\dashv$ | $\dashv$ |          | -            | $\vdash$      | Ш                                   | _        | <u> </u> |
| 43     |          | ╁              | +                   | +                  | +                  | +            | +         | +-           | 1 }        |       | 93       | $\vdash$   | _  | $\vdash$   | -         | $\vdash$ |          | $\dashv$     | -                  | H        | ŀ  |          | 142<br>143 | $\dashv$        | +        | $\dashv$ |          | -            | $\vdash$      | $\vdash$                            | -        | $\vdash$ |
| 44     |          | H              | $\vdash$            | $\dashv$           | +                  | +            | 十         | +            | 1          |       | 94       |  |  | $\vdash$   | -         | $\vdash$ | $\dashv$ |              |                    | H        | ŀ  |          | 144        | $\vdash$        | $\dashv$ | ᅱ        | Н        | -            | H             | $\vdash$                            | _        | $\vdash$ |
| 45     | +        | T              | $\vdash$            | +                  | +                  | $\top$       | +-        | +            | 1          |       | 95       |  |  | Н          |           | $\vdash$ | $\dashv$ | -            | _                  | H        | ŀ  |          | 145        | $\dashv$        | +        | -        | -        |              | -             | $\vdash$                            | —        | $\vdash$ |
| 46     |          | Τ              | $\sqcap$            | $\dashv$           | $\top$             | $\top$       | +         | T            | 1          |       | 96       | П  |  | П          | $\exists$ |          |          | $\neg$       |                    | Н        | ŀ  |          | 146        | $\vdash$        | 1        |          | ٦        |              | <u> </u>      | П                                   |          | $\vdash$ |
| 47     | $\top$   |                |                     |                    | I                  |              | Ι         | $oxed{\Box}$ | ] [        |       | 97       |  |  |            |           |          |          |              |                    |          | ľ  |          | 147        |                 | _        | _        | П        |              |               |                                     |          | Γ        |
| 48     |          |                |                     | $oldsymbol{\perp}$ | Ι                  |              | I         | $oxed{\Box}$ | ] [        |       | 98       |  |  |            |           |          |          |              |                    |          |    |          | 148        |                 |          |          |          |              |               |                                     |          |          |
| 49     |          | oxdot          |                     | $\bot$             | $\perp$            |              | $\perp$   | L            | . [        |       | 99       |  |  |            | $\Box$    |          | $\Box$   | $\Box$       |                    |          |    |          | 149        |                 | I        |          |          |              |               |                                     |          |          |
| 50     |          | <u></u>        | $oxed{L}$           |                    | 上                  | $\perp$      | 1         |              | JL         |       | 100      | L  |  |            |           |          |          |              |                    | Ш        | Ĺ  |          | 150        |                 | $\perp$  |          |          |              |               |                                     |          |          |